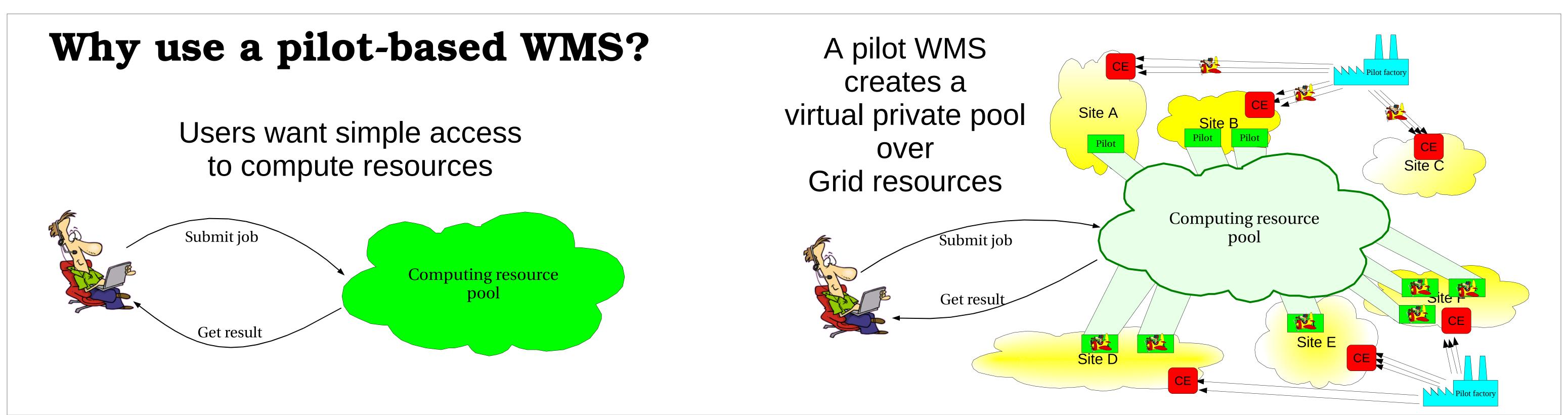
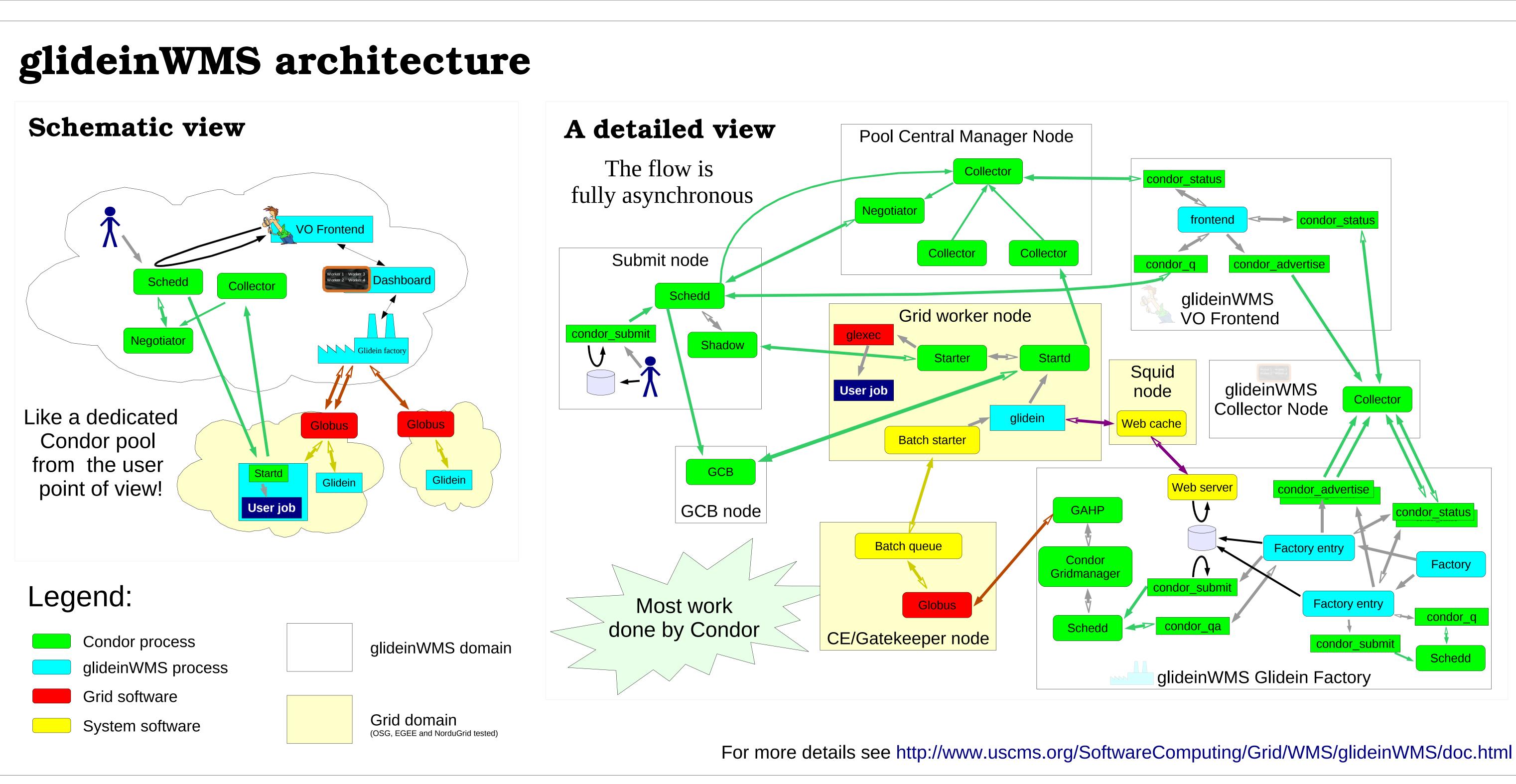
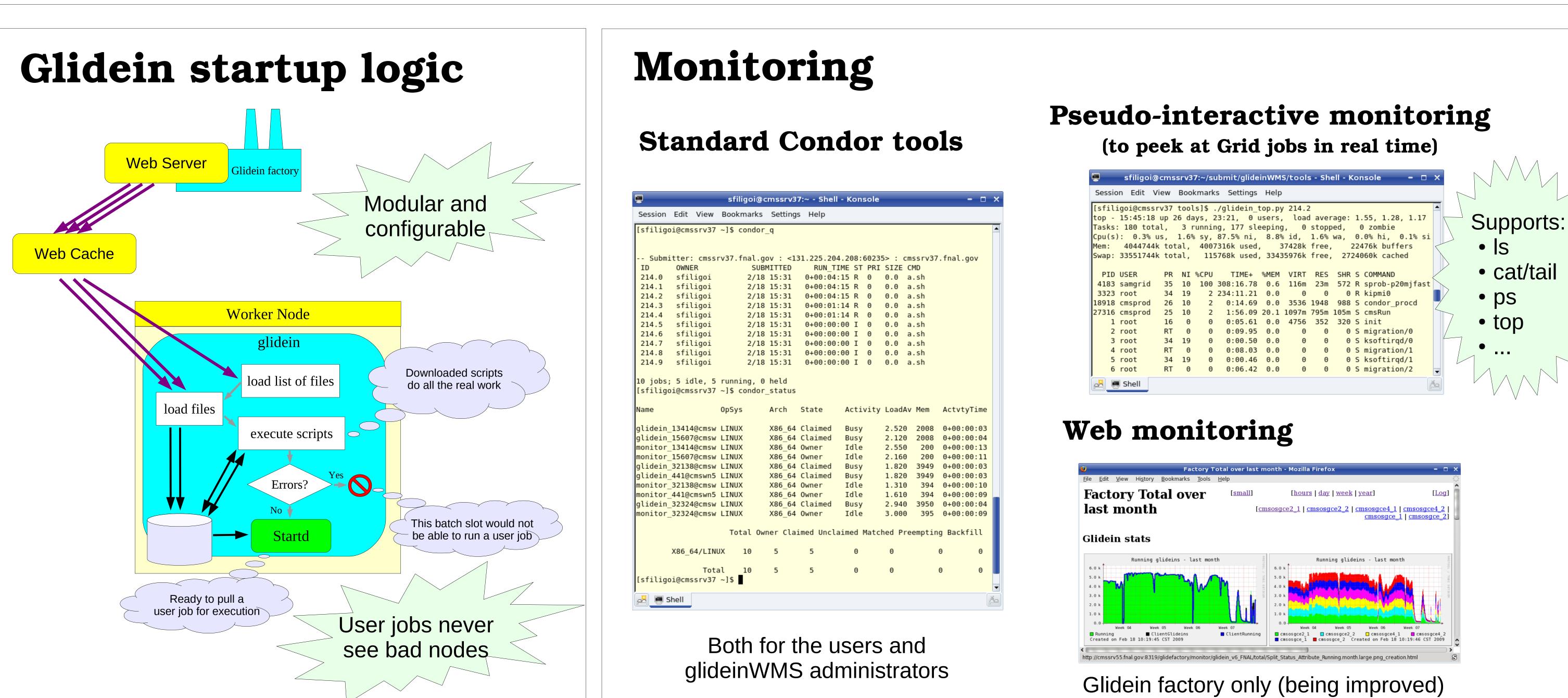
# glideinWMS

## A pilot-based Grid Workload Management System

presented by Igor Sfiligoi





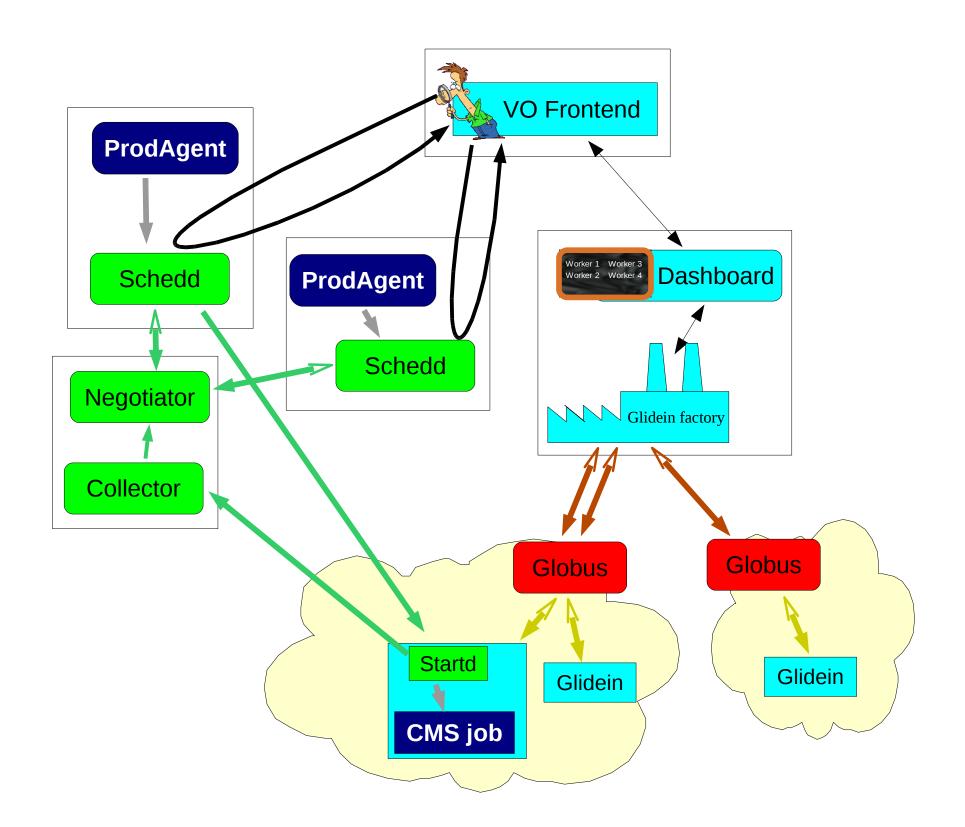


## Current users of glideinWMS

presented by Igor Sfiligoi

### CMS Processing

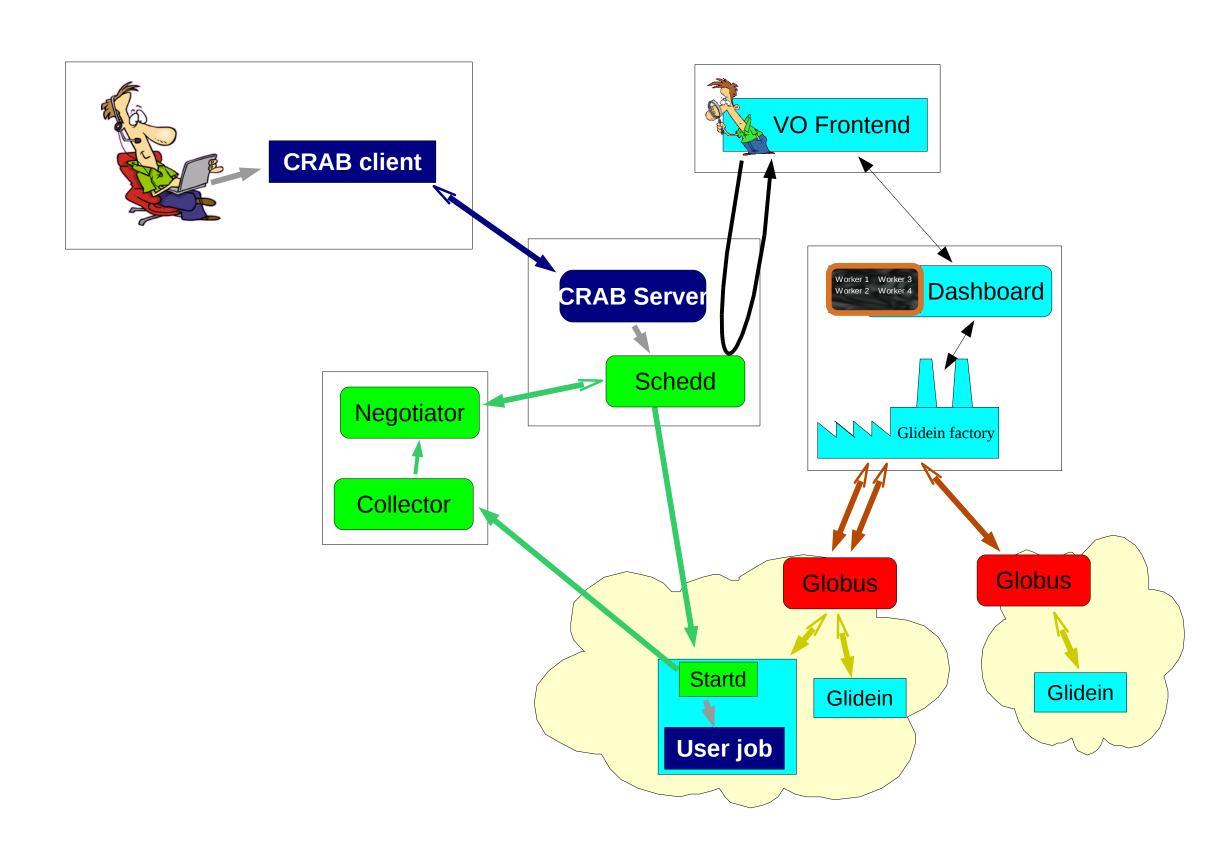
Fully automated, process driven



Has been running for over a year now Using both OSG and EGEE CMS Tier-1's

### CMS User Analysis

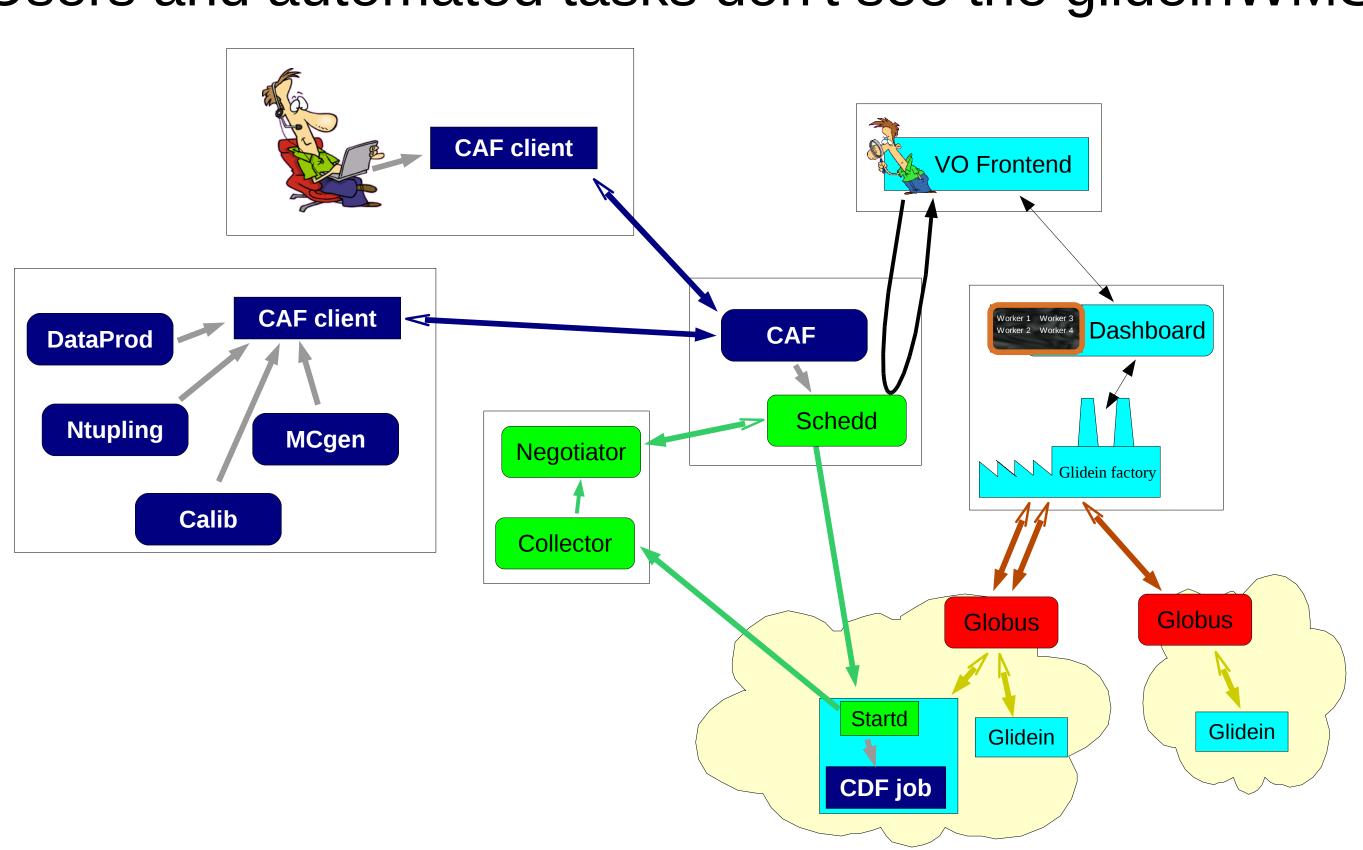
Portal based Users don't see the glideinWMS



Still a prototype
Using both OSG and EGEE CMS Tier-2's

# CDF's Combined User Analysis and Centralized Activities

Portal based Users and automated tasks don't see the glideinWMS



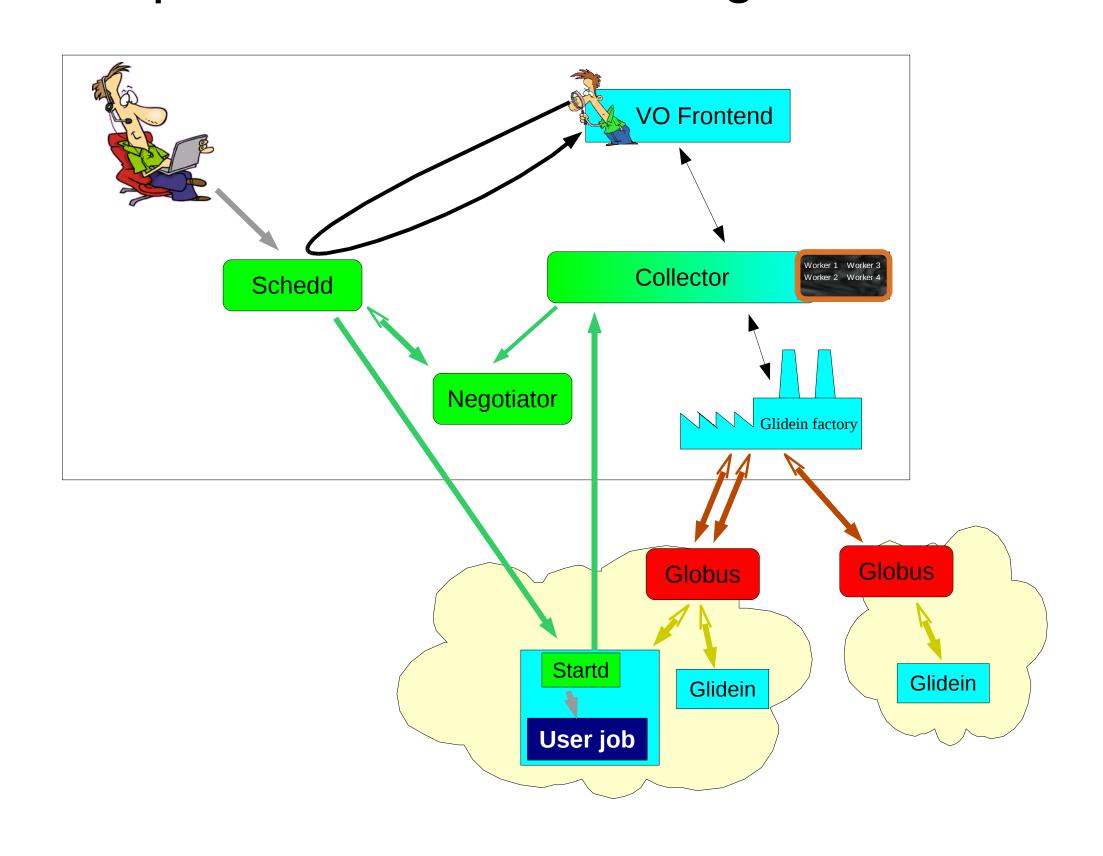
Used glidein-based solution for several years.

Currently moving to glideinWMS.

Using both CDF-owned and opportunistic OSG resources.

### MINOS User Analysis

Users submit to a central schedd All processes share a single machine



Has been running for a year now
Using both MINOS-owned and opportunistic
OSG resources at Fermilab.

## Scalability tests

#### Condor scalability tested

Collector scalability

- 11k on a single collector, on LAN
- 11k using a tree of 1+20 collectors over WAN (between Europe and USA)

Schedd scalability

- 11k running jobs on a single schedd current limit with 16GB of memory
- 200k idle jobs on a single schedd GCB scalability
- 8k glideins on a single GCB
- 11k glideins using 2 GCBs

### glideinWMS scalability tested

**VO** Frontend scalability

- 200k idle and 11k running user jobs
- 20 schedds

Glidein factory scalability

- 40 Grid sites current limit
- 100 Grid sites with some effort
- 5 VO frontends

Memory

limited

11k running glideins

